

INFORMATION DISCLOSURE CITATION

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ATTY DOCKET NO.

66722-010-7/8

SERIAL NO.

09/869,695

Kim V. HANSEN

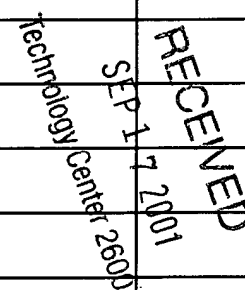
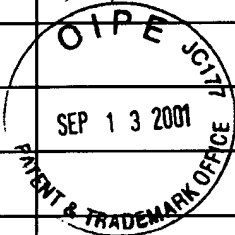
FILING

July 16, 2001

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Ag	AA	5,706,402	01/06/1998	Bell	395		
Ag	AB	5,524,056	06/04/1996	Killion et al.	381		
Ag	AC	5,208,786	05/04/1993	Weinstein et al.	367		



FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
Ag	AD	WO 98/25214 ✓	06/11/1998	International	6			
Ag	AE	DE 195 31-388 C1 ✓	07/25/1996	Germany				
Ag	AF	EP 0 565 479 A1 ✓	10/13/1993	Europe	21			
Ag	AG	EP 0 084 982 A2 ✓	08/03/1983	Europe	3			
Ag	AH	EP 0 820 210 A2 ✓	01/21/1998	Europe	3			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Ag	AI	J. Herault et al., Space or Time Adaptive Signal Processing by Neural Network Models, Neural Networks for Computing, AIP Conference Proceedings 151, Snowbird, UT, pp. 206-211, 1986 ✓
Ag	AJ	A.J. Bell et al., An Information-Maximisation Approach to Blind Separation and Blind Deconvolution, Technical Report no. INC-9501, February 1995, Institute for Neural Computation, UCSD, San Diego, CA. ✓

EXAMINER

Andrew Galt

DATE CONSIDERED

7.23.04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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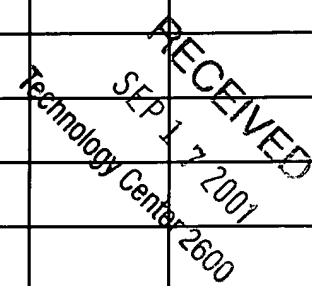
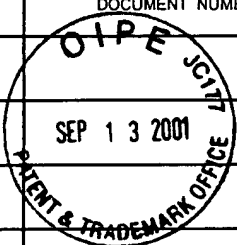
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						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AG	AN	T.W. Lee et al., Blind Separation of Delayed and Convolved Sources, Advances in Neural Information Processing Systems 9, 1997 MIT Press, Cambridge, MA, pp. 758-764.
AG	AO	P. Smaragdis, Efficient Blind Separation of Convolved Sound Mixtures, IEEE Workshop on Applications of Signal Processing to Audio and Acoustics, Mohonk Mountain House, New Paltz, NY, 1997.

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Andrew G. ...

DATE CONSIDERED

2.23.04

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At	AP	K. Torkkola, Blind Separation of Delayed Sources Based on Information Maximization, Proceedings of the IEEE international conference on acoustic, speech and signal processing, May 7-10, 1996, GA. ✓
AQ	AQ	K. Torkkola, Blind Separation of Convolved Sources Based on Information Maximization, IEEE workshop on neural network for signal processing, Kyoto, Japan 9/4-6/1996. ✓

Arthur J. G. L.

7.23.04

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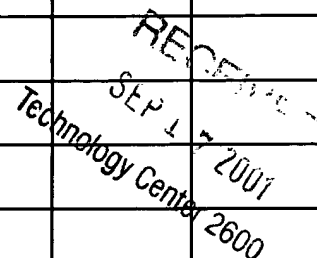
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U.S. PATENT DOCUMENTS

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	AR	J.F Cardoso, Equivariant Adaptive Source Separation, IEEE Transactions on Signal Processing 44(12), 1996.
AS	AS	S. Amari et al., A New Learning Algorithm for Blind Signal Separation, Advances in neural information processing systems 8, MIT Press, 1996.

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DATE CONSIDERED

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INFORMATION DISCLOSURE CITATION

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Docket Number (Optional)

66722-010-7/8

Application Number

09/869,605

Applicant(s)

Kim V. Hansen

Filing Date

July 16, 2001

Group Art Unit

*EXAMINER

INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AT

W. Soede et al., Development of a Directional Hearing Instrument Based on Array Technology, J. Acoust. Soc. Am. 94(2), pp. 785-798.

AU

J. Vanden Berghe et al., An Adaptive Noise Canceller for Hearing aids Using Two Nearby Microphones, J. Acoust. Soc. Am. 103(6), pp. 3621-3626.

AW

H. Sahlin, Blind Signal Separation by Second Order Statistics, Ph.D. Thesis, Chalmers University of Technology, Technical Report no. 345 (Abstract), Sweden, 1998/

T. Taniguchi et al., Blind Signal Separation for Recognizing Overlapped Speech, J. Acoust. Soc. Jpn. (E), pp. 385-390, 6/19/98

EXAMINER

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